

SEQUENCE LISTING

01100 Springer, Barry A.  
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01200 Analogs of Human basic Fibroblast Growth Factor

01300 1503.0320001

01400 09/230,077

01410 1998-12-23

01500 US 60/068,667

01510 1997-12-23

01600 2

01700 PatentIn Ver. 2.0

02100 1

02110 483

02120 DNA

02130 Homo sapiens

02200

02210 CDS

02220 (1..(474)

04000 1

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| atg | ggc | acc | atg | gca | gcc | ggg | agc | atc | acc | acg | ctg | ccc | gcc | ctt | cgg | 48 |
| Met | Gly | Thr | Met | Ala | Ala | Gly | Ser | Ile | Thr | Thr | Leu | Pro | Ala | Leu | Pro |    |
| 1   |     |     |     | 5   |     |     |     | 10  |     |     |     |     |     | 15  |     |    |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| gag | gat | ggc | ggc | agc | ggc | gcc | ttc | cgg | ccc | ggg | cac | ttc | aag | gac | ccc | 96 |
| Glu | Asp | Gly | Gly | Ser | Gly | Ala | Phe | Pro | Pro | Gly | His | Phe | Lys | Asp | Pro |    |
|     |     | 20  |     |     |     |     |     | 25  |     |     |     |     | 30  |     |     |    |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| aag | cgg | ctg | tac | tgc | aaa | aac | ggg | ggc | ttc | ttc | ctg | cgc | atc | cac | ccc | 144 |
| Lys | Arg | Leu | Tyr | Cys | Lys | Asn | Gly | Gly | Phe | Phe | Leu | Arg | Ile | His | Pro |     |
|     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |     |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| gac | ggc | cga | gtt | gac | ggg | gtc | cgg | gag | aag | agc | gac | cct | cac | atc | aag | 192 |
| Asp | Gly | Arg | Val | Asp | Gly | Val | Arg | Glu | Lys | Ser | Asp | Pro | His | Ile | Lys |     |
|     |     | 50  |     |     |     | 55  |     |     |     |     | 60  |     |     |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| cta | caa | ctt | caa | gca | gaa | gag | aga | gga | gtt | gtg | tct | atc | aaa | gga | gtg | 240 |
| Leu | Gln | Leu | Gln | Ala | Glu | Glu | Arg | Gly | Val | Val | Ser | Ile | Lys | Gly | Val |     |
|     | 65  |     |     |     | 70  |     |     |     | 75  |     |     |     |     |     | 80  |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| tgt | gct | aac | cgg | tac | ctg | gct | atg | aaa | gaa | gat | ggt | cga | ctg | ctg | gct | 288 |
| Cys | Ala | Asn | Arg | Tyr | Leu | Ala | Met | Lys | Glu | Asp | Gly | Arg | Leu | Leu | Ala |     |
|     |     |     | 85  |     |     |     |     | 90  |     |     |     |     |     | 95  |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| tct | aaa | tgc | gtt | acc | gat | gag | tgc | ttc | ttc | ttc | gaa | cgt | ctc | gag | tct | 336 |
| Ser | Lys | Cys | Val | Thr | Asp | Glu | Cys | Phe | Phe | Phe | Glu | Arg | Leu | Glu | Ser |     |
|     |     |     | 100 |     |     |     |     | 105 |     |     |     |     | 110 |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| aac | aac | tac | aac | acc | tac | cgt | tgc | aga | aaa | tac | acc | agt | tgg | tat | gtg | 384 |
| Asn | Asn | Tyr | Asn | Thr | Tyr | Arg | Ser | Arg | Lys | Tyr | Thr | Ser | Trp | Tyr | Val |     |
|     |     | 115 |     |     |     |     | 120 |     |     |     |     | 125 |     |     |     |     |

cca ctt aag cgt acc ggt cag tac aaa ctt ggt tct aag acg ggc cca 432  
Ala Leu Lys Arg Thr Gly Gln Tyr Lys Leu Gly Ser Lys Thr Gly Pro  
130 135 140

ggt cag aaa gct atc ctg ttc ctg cgg atg tct gct aaa tct tgaggatcc 483  
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Lys Arg Leu Tyr Cys Lys Asn Gly Gly Phe Phe Leu Arg Ile His Pro  
35 40 45

Asp Gly Arg Val Asp Gly Val Arg Glu Lys Ser Asp Pro His Ile Lys  
50 55 60

Leu Gln Leu Gln Ala Glu Glu Arg Gly Val Val Ser Ile Lys Gly Val  
65 70 75 80

Cys Ala Asn Arg Tyr Leu Ala Met Lys Glu Asp Gly Arg Leu Leu Ala  
85 90 95

Ser Lys Cys Val Thr Asp Glu Cys Phe Phe Phe Glu Arg Leu Glu Ser  
100 105 110

Asn Asn Tyr Asn Thr Tyr Arg Ser Arg Lys Tyr Thr Ser Trp Tyr Val  
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Gly Gln Lys Ala Ile Leu Phe Leu Pro Met Ser Ala Lys Ser  
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tggtatgtgg caottaagcg taccggctcag tacaagcttg gttctaaaac gggcc 175